

CLAIMS

What is claimed is:

1. A method in a wireless communication device for updating telephone information stored in the wireless communication device, said method comprising the steps of:

receiving an error code from a wireless communication system;

automatically determining if the error code indicates that a designated telephone number has changed to a new telephone number, wherein the error code contains information indicating the new telephone number;

automatically determining the new telephone number from the information;
and

automatically updating a database contained within the wireless communication device with the new telephone number.

2. The method according to claim 1, wherein the error code is received in response to the wireless communication device initiating a call to the designated telephone number utilizing the wireless communication system.

3. The method according to claim 1, wherein the step of automatically determining if the error code indicates that a designated telephone number has changed to a new telephone number includes detecting tonal signals within the error code transmitted by the wireless communication system.

4. The method according to claim 1, wherein the step of automatically determining if the error code indicates that a designated telephone number has

changed to a new telephone number includes detecting a software object within the error code transmitted by the wireless communication system.

5. The method according to claim 1, wherein the step of automatically determining the new telephone number from the information includes extracting the new telephone number from a software object within the error code.

6. The method according to claim 1, wherein the step of automatically determining the new telephone number from the information includes performing voice recognition processing on a audio signal accompanying the error code.

7. The method according to claim 1, wherein the step of automatically updating a database contained within the wireless communication device with the new telephone number includes updating a phone book contained in the wireless communication device.

8. A wireless communication device having automatic update of telephone information stored in the wireless communication device comprising:

means for receiving an error code from a wireless communication system;

means for automatically determining if the error code indicates that a designated telephone number has changed to a new telephone number, wherein the error code contains information indicating the new telephone number;

means for automatically determining the new telephone number from the information; and

means for automatically updating a database contained within the wireless communication device with the new telephone number.

9. The wireless communication device according to claim 8, wherein the error code is received in response to the wireless communication device initiating a call to the designated telephone number utilizing the wireless communication system.

10. The wireless communication device according to claim 8, wherein the step of automatically determining if the error code indicates that a designated telephone number has changed to a new telephone number includes detecting tonal signals within the error code transmitted by the wireless communication system.

11. The wireless communication device according to claim 8, wherein the step of automatically determining if the error code indicates that a designated telephone number has changed to a new telephone number includes detecting a software object within the error code transmitted by the wireless communication system.

12. The wireless communication device according to claim 8, wherein the step of automatically determining the new telephone number from the information includes extracting the new telephone number from a software object within the error code.

13. The wireless communication device according to claim 8, wherein the step of automatically determining the new telephone number from the information includes performing voice recognition processing on a audio signal accompanying the error code.

14. The wireless communication device according to claim 8, wherein the step of automatically updating a database contained within the wireless communication device with the new telephone number includes updating a phone book contained in the wireless communication device.

15. The wireless communication device according to claim 8, wherein the wireless communication device is a cellular telephone.

16. The wireless communication device according to claim 8, wherein the wireless communication device is a wireless personal digital assistant.

17. An article of manufacture comprising machine-readable medium including program logic embedded therein that causes control circuitry in a wireless communication device for updating telephone information stored in the wireless communication device to perform the steps of:

receiving an error code from a wireless communication system;

automatically determining if the error code indicates that a designated telephone number has changed to a new telephone number, wherein the error code contains information indicating the new telephone number;

automatically determining the new telephone number from the information;

and

automatically updating a database contained within the wireless communication device with the new telephone number.

18. The article of manufacture of Claim 17, wherein the error code is received in response to the wireless communication device initiating a call to the designated telephone number utilizing the wireless communication system.

19. The article of manufacture of Claim 17, wherein the step of automatically determining if the error code indicates that a designated telephone number has changed to a new telephone number includes detecting tonal signals within the error code transmitted by the wireless communication system.

20. The article of manufacture of Claim 17, wherein the step of automatically determining if the error code indicates that a designated telephone number has changed to a new telephone number includes detecting a software object within the error code transmitted by the wireless communication system.

21. The article of manufacture of Claim 17, wherein the step of automatically determining the new telephone number from the information includes extracting the new telephone number from a software object within the error code.

22. The article of manufacture of Claim 17, wherein the step of automatically determining the new telephone number from the information includes performing voice recognition processing on a audio signal accompanying the error code.

23. The article of manufacture of Claim 17, wherein the step of automatically updating a database contained within the wireless communication device with the new telephone number includes updating a phone book contained in the wireless communication device.